

SAPELKINA, L.V.

Mucoviscidosis in children. Vop. okh. mat. i det. 8 no. 3:74-76 Mr  
'63. (MIRA 16:5)

1. Iz kafedry detskikh bolezney lechebnogo fakul'teta (zav. -  
prof. M.M. Bubnova) II Moskovskogo meditsinskogo instituta  
imeni N.I. Pirogova na baze Detskoy gorodskoy klinicheskoy  
bol'nitsy No.1.

(PANCREAS—DISEASES)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

BEL'KEVICH, P.I.; ZHUK, Ye.A.; SAPELKIN, M.V.

Some results of the work of the Peat Institute. Trudy Inst. torf.  
AN BSSR 9:3-18 '60.} (MIRA 14:2)  
(Peat)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

SADOVNICHIIY, V.V.; SAPELKIN, M.V.

Characteristics of the working part of the MSK-2 machine employed  
in the mechanization of the natural drying of machine peat. Trudy  
Inst. torf. AN BSSR 9:169-176 '60. (MIA 14:2)  
(Peat machinery)

Heterogeneity of large steel ingot. G. V. Shchel'drin, S. G. Perelyazova, and N. I. Sapalkin. Sovetsk. Nauch. Trudov. Zhdanov. Met. Inst. 1958, No. 3, 47-53; Referat. Zhur. Met. 1958, Abstr. No. 8582.—A longitudinal slab of the axial section of a 24-ton ingot of acid Cr-Ni-Mo steel was examined. There were found periodic changes of microstructure, mech. properties, and contents of nonmetallic inclusions and C. The best mech. properties occurred in the trans-crystall. zone. The content of nonmetallic inclusions was greatest in the center of the ingot; they consisted of  $\text{SiO}_2$  up to 75% and  $\text{Al}_2\text{O}_3$  up to 30-40%.  $\text{FeO}$  (3.7%) and  $\text{MnO}$  (5-16%) were included in the compn. of the silicates. The periodicity of distribution of the heterogeneity of the ingot is attributed to discontinuous crystallization and contraction of molten metal.

NE 2 C

A. N. Pestoff

111

SKOBLO, S.I. [Skoblo, S.Ya.]; KAZACIKOV, E.A. [Kazachkov, Ye.A.]; STRAHOV,  
V.G. [Strakhov, V.G.]; KIRIUSIN, I.I. [Kiryushin, Yu.I.];  
SAPELKIN, N.F.

Studies on the kinetics of the solidification process in the  
axial part of the ingot through the method of differentiated  
soundings. Analele metalurgie 16 no.4:36-43 O-D '62.

S/137/62/000/003/022/191  
A006/A101

AUTHORS: Kazachkov, Ye. A., Skoblo, S. Ya., Kiryushkin, Yu. I., Dorokhov,  
V. I., Sapelkin, N. F.

TITLE: Investigating the thermal work of molds for forging ingots

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 44, abstract 3V268  
("Sb. nauchn. tr. Zhdanovsk. metallurg. in-t", 1960, no. 6, 68-109)

TEXT: The thermal work of molds was investigated during the solidification of three different sizes of forging ingots, cast into octahedral through-molds with a floating riser. One of the ingots weighing 24.5 tons was cast into a mold at top position of the floating riser; the second ingot weighing 24.5 tons - at a lower position of the floating riser, and the third ingot, weighing 24.5 tons, at a considerable immersion of the floating riser into the mold. All the ingots were cast from grade 55X (55Kh) steel from different heats, melted in basic open hearth furnaces. The temperature distribution at various spots across the mold walls was determined during the solidifying of the ingot from readings of 24 - 26 thermocouples, which were placed on the mold walls at different depths and several height levels. Moreover, during the solidification process, periodic

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Ca:

S/133/61/000/004/005/015

AUTHORS: Kuznetsov, I. G., Professor; Lukashov, G. G., Engineer;  
Bul'kin, M. T., Engineer; Tatarskaya, P., Engineer; and  
Sapegin, N. P., Engineer

TITLE: The most important properties of arsenic-containing MnCrSteel  
(Mn+5 kp) type steaming steel

PERIODICAL: Steel no. 4, 1961, 346 - 350

TEXT: Steel beams, channels, hinged and sheets used in the building industry must come up to the following requirements of FCC (GOST) 350-50: 03 - 20 kgf/cm<sup>2</sup>; G5 - 24 kgf/cm<sup>2</sup>; G10 - 25kgf/cm<sup>2</sup>. Since 1954 produced for the building industry have been manufactured in the "Arzavat" plant of Ural. The firming test with an arsenic content of 0.1% produced from Kerch ore. The mechanical properties of the arsenic-containing steel of Arzavat were tested together with three kinds of non-arsenic-containing Mn. No. 2 steel processed in the Tenskiyev plant from Kolvorog ores. The composition of the heats is given in Table 1. From the test results no. 30 channels, 2 meters in length were produced (from the top, medium and bottom part of

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The most important properties of...

the input). Samples were made from the steel channels to test the tensile strength, notch toughness as well as to carry out endurance and brittle fracture tests. The tensile strength values (Table 2) show that for practically identical composition the arsenic-containing steel displays 2 - 4% higher value than arsenic-free steel. Whereas both types have the same values for tensile elongation. For both toughness with manganese (Monad) type samples - 4% longitudinal and 45 transversal from each heat - the following average values were obtained:

Test-temperature, °C	-20	0	-40	-60
As-containing longitudinal samples	14.0	10.8	8.6	3.7
As-containing transversal	8.4	6.7	5.4	3.0
As-free longitudinal samples	12.3	9.4	5.8	0.80
As-free transversal	7.6	4.9	3.6	0.68

Thus, notch toughness is higher for arsenic-containing steels at such temperature tested. For endurance tests special sample were made. Sheets 11.5 cm thick were cut from the no. 30 channels of both kinds of steel and

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The most important properties of...

polished on magnetic sheet to 10 mm ± 0.02 mm. Here arsenic containing and non-containing sheets were welded together (Fig. 1). In this way the two different steel types could be tested simultaneously and under exactly identical conditions. 208 welded samples were tested in all. 112 longitudinal samples, polished on 3 sides, 72 of the same kind, but polished on 4 sides, while from arsenic non-containing steel the same number of samples in the same amount were investigated. It was found that under symmetrical oscillating bending load, with a stress in the external fibers of the material between 15.4 and 8.5 kgf/mm<sup>2</sup> (measured at every 0.7 kgf/mm<sup>2</sup>) most fractures occurred in non-arsenic samples (65 or 240 or 70%). The limit of endurance in arsenic-containing and non-containing steel samples stabilized under symmetrical oscillating bending load with a number of cycles of 10<sup>7</sup>, under a load in the proximity of the welding seam, with a head, to 8.5 - 9.2 kgf/mm<sup>2</sup>. The tests proved that samples containing arsenic display a greater bending resistance than arsenic-free steels and are thus more suitable for welded building constructions than the latter. Tests on brittle fracturing of both types of steel were carried out at +20, -20 and -60°C. On samples as given in Figure 4 and consisting of 50% steaming and 50% As-free steel, 70% of the fractures occurred in non-arsenic

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9/17/67/000/004/008/015  
AB34/A127

The most important properties of...

steel samples. No brittle fracture could be observed in the proximity of the welding seam, in either kind of samples at low temperatures. Proving that AB34 steels are suitable for electrowelding. It was concluded that the MS, 3kp steels made of Kerchensk ore, with electrode rods and a 0.15% As content is superior to the same batch of steel not containing As, with regard to tensile strength, notch toughness, endurance and brittle fracture. There are 5 figures, 3 tables and 3 references: 2 Soviet-bloc and 1 non-Soviet-block.

ASSOCIATION Zhidanovskiy metalurgicheskiy institut (Zhidanov Metallurgical Institute) and sawed "Acervitai" (Aavastai Plant).

Card 4/6

SAPELKIN, N.F.

18.7120

AUTHORS: Skoblo, S.Ya., Kazachkov, Ye.A., Strakhov, V.G.,

Kiryushin, Yu.I., Sapelkin, N.F.

TITLE: A study of the kinetics of the process of solidification of the axial part of an ingot by the method of differential probing

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no.3, 1962, 53-59

TEXT: A method of probing of ingots during their solidification and some results on the kinetics of solidification of ingots of the most prevailing shape (wide-side up with a relatively small ratio of the height to mean cross-section) are described. After a brief survey of the usual methods of investigation of the process of solidification of ingots (emptying after a given solidification time, additions of radioactive element at given time intervals during the solidification process, probing with a rod) the authors consider that neither method by itself gives sufficient information on the solidification process. Moreover, a comparison of the results obtained by various methods indicates

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S/148/62/000/003/001/011  
E071/E435

A study of the kinetics ...

that the solidification of ingots of the shapes investigated in the vertical direction is completed earlier than in the horizontal direction. Therefore, in the authors' view an improved method of vertical probing which they developed gives more information on the kinetics of solidification of ingots and does not interfere with the subsequent utilization of the probed ingots. The method, called differential probing, consists of inserting a mild steel rod (12 mm in diameter) into the ingot under its own weight and noting the length of the immersed part of the rod (height of the liquid phase); then by applying a certain force the rod is immersed to the solid bottom of the ingot and again the length of the rod immersed is noted. The difference gives the height of the two phase (liquid + solid) zone. Other data, characterizing the kinetics of solidification, can be calculated from the above measurements, for instance the height of the solid bottom layer and, if the initial level of the metal in the top is known, shrinkage to the moment of probing. By repeating such measurements throughout the solidification period, kinetic curves characterizing vertical movement of the solid phase

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A study of the kinetics ...

S/148/62/000/003/002/011  
E071/E435

were obtained. These showed the existence of three distinct zones: the initial and final - parabolic in shape - and the intermediate - close to a straight line. Changes in the height of the two phase zone are expressed by a curve with a maximum corresponding to the middle of the total period of solidification. A more detailed discussion of the results obtained will be published later. There are 6 figures.

ASSOCIATION: Zhdanovskiy metallurgicheskiy institut  
(Zhdanov Metallurgical Institute)

SUBMITTED: February 17, 1961

Card 3/3

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

STRAKHOV, V.G., kand.tekhn.nauk; SKOBIO, S.Ya., kand.tekhn.nauk; KISSEL', N.N.;  
CHERNYSHEV, I.S.; GLESHKEVICH, T.I.; MOLOTOV, V.A.; SAPELKIN, N.F.

Effect of the pouring method on the quality of rimmed steel, smelted  
in high-capacity open-hearth furnaces. Met.i gornorud. prom. no.6:23-  
25 N-9 '63. (MIRA 18:i)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

KAZANTSEV, I.G., prof.; LUKASHOV, G.G., inzh.; GORBANEV, Ya.S., inzh.; TARASOVA,  
L.P., inzh.; SAPELKIN, N.F., inzh.

Strength of welded joints in ~~aromatic~~ containing structural steel pro-  
duced at the "Azovstal'" Plant. Stal' 23 no.12:1112-1114 D '63.

(MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut i metallurgicheskiy zavod  
"Azovstal'".

KAZACHKOV, Ye.A.; KIRYUSHKIN, Yu.I.; SKOBLO, S.Ya.; BUL'SKIY, M.T. [deceased];  
SVIRIDENKO, F.F.; SAPELKIN, N.F.

Formation and heterogeneity of rail ingots cast in ingot molds  
with a varying wall thickness. Izv. vys. ucheb. zav., chern.  
met. 7 no.11:75-80 '64. (MIRA 17:12)

1. Zhdanovskiy metallurgicheskiy institut.

STRAKHOB, V.G., kand. tekhn. nauk; SKOBLO, S.Ya., kand. tekhn. nauk;  
SAPELKIN, N.F., inzh.; CHERNYSHEV, I.S., inzh.; OLESHKEVICH,  
T.I., inzh.; ANTOKHIN, N.T., inzh.; PASHCHENKO, N.K., inzh.

Heating the riser heads of an ingot by exothermic plates.  
Stal' 24 no.1:37-39 Ja '64. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut i zavod imeni  
Il'icha.

I 41098-66 EWT(m)/EWP(t)/ETI IJP(c) JD  
ACC NR: AP6026729

SOURCE CODE: UR/0181/66/008/008/2515/2517

AUTHOR: Palatnik, L. S.; Il'inskiy, A. I.; Sapelkin, N. P.

ORG: Kharkov Politechnical Institute im. V. I. Lenin (Kharkovskiy politekhnicheskiy institut)

TITLE: Strength of vacuum-deposited multilayer films

SOURCE: Fizika tverdogo tela, v. 8, no. 8, 1966, 2515-2517

TOPIC TAGS: thin film, vacuum deposited film, multilayer film, mechanical elongation, metal deposition, metal film, hardness, copper film, iron, yield stress,

ABSTRACT: Multilayer iron-copper films were prepared by alternate deposition of Fe and Cu on the ring-shaped copper substrate in a vacuum of  $5 \cdot 10^{-5} - 1 \cdot 10^{-4}$ . The total film thickness varied within 15–25  $\mu$ , and the "pitch" of 0.03  $\mu$  to 2 mm. In the pitch range from 2.0 to 0.5  $\mu$  the microhardness varied within 0.03  $\mu$  to 2 mm. In the pitch range from 2.0 to 0.5  $\mu$  the microhardness does not change; it has a value of 300–360 kg/mm<sup>2</sup>. As the pitch decreases from 0.2 to 0.3  $\mu$ , the microhardness sharply increases, and at a pitch of 0.03  $\mu$ , it reaches the value of 800 kg/mm<sup>2</sup>, which is approximately 5 times greater than the microhardness of solid metal. Fe increases the elastic properties and decreases the ductility. For instance, the yield strength at 15% Fe is 35 kg/mm<sup>2</sup>, and at 30% Fe, 70 kg/mm<sup>2</sup>. The corresponding elongation values were 2 and 0.8%. Multi-

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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

The calcium and phosphorus compounds of the blood of

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

NOSOV, Aleksandr Ivanovich, dots., kand. tekhn.nauk; BOTVINIK, Boris Sholomovich; BULIN, Vasiliy Petrovich; GONCHAROV, Vasiliy Savel'yevich; SAPELKIN, Vladimir Aleksandrovich; MIKHEYEVA, L.N., red.izd-va; KARLOVA, G.L., tekhn. red.

[Over-all mechanization and automation at repair enterprises of the lumbering industry] Kompleksnaia mekhanizatsiia i avtomatzatsiia na remontnykh predpriatiakh lesnoi promshlennosti; sbornik statei pod red. A.I.Nosova. Moskva, Goslesbumizdat, 1963. 68 p. (MIRA 16:7)  
(Lumbering--Machinery)

USSR/Weeds and Weed Control.

N

Abs Jour : Ref Zhur Biol., No 18, 1958, 82615

Author : Sapelkin, V.K., Dayanov, F.K.

Inst :

Title : Effect of Herbicides on Bulrushes and Rice.

Orig Pub : V sb.: Kratkiye itogi nauchno-issled. raboty (Kubansk.  
ris. opytn. st.) za 1956 g. Krasnodar, "Sov. Kuban'",  
1957, 82-86

Abstract : Herbicides (especially butyl ether - 2,4-D, and also chloro IFK) are an effective means of controlling the bulrush (*Bolboschoenus maritimus*). The higher the dosage of the herbicides, the higher their destructive effect: with 2,4-D doses of 1, 1.5 and 2 kilograms/ha, 84.5, 89.4 and 92.6% of the weeds respectively, were destroyed and injured. However, the large doses of herbicides, particularly of 2,4-D, produce a negative effect on the rice crop. In small doses, herbicides act as growth accelerators. -- O.P. Medvedeva

Card 1/1

- 4 -

SAPELKIN, V.K., nauchnyy sotrudnik

Chemical control of *Bolboschoenus maritimus* (L.) Palla in rice fields. Zashch. rast. ot vred. i bol. 7 no.1:32-33 '62. (MIRA 15:6)

1. Kubanskaya risovaya opytnaya stantsiya, Krasnodar.  
(Herbicides)  
(Rice—Diseases and pests)

ALESHIN, Ye.P., kand. biol. nauk; YARKIN, S.A.; SEMENENKO, A.N.;  
KIRICHENKO, K.S., kand. sel'khoz. nauk; CHURIKOV, I.I.;  
SAPELKIN, V.K.; RODIONOV, M.S.; RADIN, Yu.P.; FEDOROVA,  
Yu.A., red.; SAYTANIDI, L.D., tekhn. red.

[Growing rice on irrigated lands] Vozdelyvanie risa na  
oroshaemykh zemliakh. Moskva, Izd-vo M-va sel'khoz.  
RSFSR, 1963. 101 p. (MIRA 16:12)

(Rice)

USSR / Human and Animal Morphology (Normal and Pathological); Arterio-Vascular System. Vosfols.

S

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 12328

Author : Sapelkina, I. M.

Inst : 2nd Moscow Medical Institute

Title : Data on the Pathologic Anatomy of Skin Vessels in Hypertension.

Orig Pub : Sb nauchn. rebot sotrud. Tsentr. n.-i. labor. 2-y Mosk. med. in-t, 1958, vyp. 1, 51-57

Abstract : From the data of 30 cases, various skin (S) areas and some internal organs of humans who died of hypertension were studied. In capillaries and small vessels of S, a disturbance of permeability in the form of plasmatic saturation (more frequently in the young and middle age) was discovered.

Card 1/2

30

KONDRASHIN, N.I. SAPELKINA, I.M.

Morphological changes in hemangiomas following cryotherapy. Vop.  
onk. 5 no.1:83-89 '59. (MIRA 12:3)

1. Iz kafedry detskoy khirurgii (zav. - prof. S.D. Ternovskiy) II  
Moskovskogo gosudarstvennogo meditsinskogo instituta (dir. - prof.  
O. V. Kerbikov). Adres avtora: Moskovskaya obl., g. Pushkino, ul. L'va  
Tolstogo, d. 2, kv. 8)

(ANGIOMA, ther.

cryother. with carbon dioxide snow (Rus))

(COLD. ther. use,

hemangioma, carbon dioxide snow cryother. (Rus))

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

SIDOROVICH, S.Kh.; SAPELKINA, I.M.

Effect of castration on experimental (alimentary) arteriosclerosis  
of the coronary arteries. Arkh. pat. 22 no. 11:64-68 '60.  
(MIRA 14:1)

(CORONARY HEART DISEASE) (CASTRATION)  
(CHOLESTEROL)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

SAPELKINA, I.M.; YAKUNICHEV, N.I.

Healing of a lung wound following resection and coagulation  
with an electric knife (mono- and biactive electrodes). Eksper.  
khir. i anest. 8 no.4:31 Jl-Ag '63. (MIRA 17:5)

1. II Moskovskiy meditsinskiy institut imeni N.I. Pirogova.

DOLETSKIY, S.Ya.; SAPELKINA, I.M.

Implantation of capron tissue used for repairing diaphragmatic  
defects under experimental conditions. Eksp. khir. i anest.  
8 no.5:28-31 S-D '63. (MIRA 17:6)

1. Klinika detskoy khirurgii (zav.- prof. S.D. Ternovskiy  
[deceased] i TSentral'naya nauchno-issledovatel'skaya  
laboratoriya (zav.- E.M. Kogan) II Moskovskogo meditsinskogo  
instituta imeni N.I. Pirogova.

ZANNES, A.N.; SAPELKINA, O.R.; ZUBAREV, V.F.; DEMAKOVA, A.V.;  
PEREVERZEEVA, Ye.G.

Effect of conditions of self-tempering and furnace tempering  
on the mechanical properties of rails hardened along their  
entire length by heating with high frequency currents. Izv.  
vys. ucheb. zav.; chern. met. 7 no.2:118-123 '64.

(MIRA 17:3)

1. Zavod "Azovstal'" i Zhdanovskiy metallurgicheskiy institut.

ZANNES, A.N., inzh.; RUDOL'SKIY, N.L., inzh.; FRADIN, M.D., inzh.;  
SAPELKINA, O.R., inzh.; BIKHUNOV, L.Ya., inzh.; GLOZMAN, M.I.,  
inzh.; Prinimali uchastiye: DEMICHEV, A.D.; SUCHKOUSOV, V.P.;  
BLAGOVESHCHENSKIY, G.V.; GOLOVIN, G.F.; KAZARNOVSKIY, D.S.;  
RAVITSKAYA, T.M.

Surface induction hardening of rails along their whole  
length at the Azovstal' Plant. Stal' 24 no.8:731-734  
Ag '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut tokov vysokoy chastoty  
(for Demichev, Suchkousov, Blagoveshchenskiy, Golovin).
2. Ukrainskiy nauchno-issledovatel'skiy institut metallov  
(for Kazarnovskiy, Ravitskaya).

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

ZANNES, A.N.; ROZMETAYLO, V.M.; TARASOVA, L.P.; SAPELKINA, O.R.

Investigating the metal structure of rails hardened along their  
full length. Met. i gornorud. prom. no.2:40-41 Mr-Ap '65.

(MIRA 18:5)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

ZANNES, A.N.; KAZARNOVSKIY, D.S.; SAPELKINA, O.R.; MIGOL', G.N.

Experiments in selecting the optimum quenching medium for  
hardening rails along their entire length with heating  
by high frequency currents. Sber. trud. UNIM no.11:354-364  
'65. (MIRA 18:11)

GARTMAN, Valentin Aleksandrovich; KARIMOV, Ubaydulla Aliyevich;  
SAPEL'NIKOV, Ivan Alekseyevich; SHLIFER, David Grigor'yevich;  
BICHEROVA, A., red.

[Pocke handbook for the inventor and innovator] Karmannyi  
spravochnik izobretatelia i ratsionalizatora. Tashkent,  
Izd-vo "Uzbekistan," 1965. 150 p. (MIRA 18:8)

AVRUKH, V.Yu., inzh.; SAPEL'NIKOV, K.N., inzh.

Experience in redesigning the hydrogen cooling system of TV-  
50-2 and TV2-100-2 generators. Energetik 9 no.1:4-7 Ja '61.  
(MIRA 16:7)

(Electric generators)

DEGIL', G.S., inzh.; PANCHENKO, A.U., inzh.; TUROS, A.E., inzh.;  
SAPEL'NIKOV, K.N., inzh.; AVRUKH, V.Yu., inzh.; VOINOV, A.G., inzh.

Seals of water-cooled turbogenerators. Elek. sta. 34 no.5:72-  
79 My '63. (MIRA 16:7)

1. Glavnoye upravleniye energeticheskogo khozyaystva Donetskogo  
basseyna (for Degil', Panchenko, Turos). 2. Uralenergo (for  
Sapel'nikov).

(Turbogenerators)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

SAPEL'NIKOV, M. D.

BRYZZHEV, L.D.; SAPEL'NIKOV, M.D.

Time signal reception by double-dial spark chronoscopes. Iss. tekhn.  
no.2:52-54 Mr-Ap '57. (MIRA 10:6)  
(Time signals) (Radio--Receivers and reception)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

S A P E L N I K O V , M.D.

24(0); 5(4); 6(2) PHASE I BOOK EXPLOITATION 30V/2215

Vsesoyuzny nauchno-issledovatel'skiy institut metrologii imeni D.I. Mendeleyeva

Referaty nauchno-issledovatel'skiy rabot; sbornik No. 2 (Scientific Research Abstracts; Collection of Articles, Nr 2) Moscow, Standardizdat, 1958. 139 p. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Komitet standartov, mer 1 imerit. naych. priborov.

Ed.: S. V. Rechtina; Tech. Ed.: N. A. Kondrat'yeva.

PURPOSE: These reports are intended for scientists, researchers, and engineers engaged in developing standards, measures, and gauges for the various industries.

COVERAGE: The volume contains 128 reports on standards of measurement and control. The reports were prepared by scientists of institutes of the Komitet standartov, mer 1 imerit. naych. priborov pri Sovete Ministerov SSSR (Commission on Standards, Measures, and Measurement Instruments under the USSR Council of Ministers). The participating institutions are: VNIIM - Vsesoyuzny nauchno-issledovatel'skiy institut metrologii imeni D.I. Mendeleyeva (All-Union Scientific Research Institute of Metrology imeni D.I.-Mendeleyev), Vsesoyuzny nauchno-issledovatel'skiy institut Komiteata standartov, mer 1 imerit. naych. priborov (All-Union Scientific Research Institute of the Commission on Standards, Measures, and Measuring Instruments), created from MOIIMIP - Moskovskiy Gouudarzhevny Institut mer 1 imerit. naych. priborov (Moscow State Institute of Measures and Measuring Instruments) October 1, 1955. VNIIFTRI - Vsesoyuzny nauchno-issledovatel'skiy institut fiziko-tekhnicheskich i radioelektronicheskikh imeritelei (All-Union Scientific Research Institute of Physical and Radio-engineering Measurements) in Moscow; KhGIIMIP - Khar'kovskiy Gouudarzhevny Institut mer 1 imerit. naych. priborov (Kharkov State Institute of Measures and Measuring Instruments); and NOIIMIP - Novosibirsky Gouudarzhevny Institut mer 1 imerit. naych. priborov (Novosibirsk State Institute of Measures and Measuring Instruments). No personalities are mentioned. There are no references.

Tsvetnitschko, S.S. (VNIIM). Studying Recurrent Errors of Micrometric Screens of Level Trans. 45

Solov'yeva, L.A. (VNIIM). Studying the Curvature of the Tube or Laves. 45

Berezhev, L.D., V.P. Lubentsov, S.M. Obhol'son, and Z.A. Shpan' on (NOIIMIP). Widening the Spectrum of Standard Frequencies produced by the KhGIIMIP Standard Frequency Unit to 1000 Cycles per Second. 47

Sashin, A.G. (VNIIFTRI). Quartz Resonator With a Quality Factor of 22.2 10<sup>6</sup>. 49

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SAPEL'NIKOV, V.

Varicus significance of signs. Za bezop.dvizh. 5 no.11:12-14 N '62.  
(MIRA 15:12)

1. Nachal'nik otdeleniya po nadzoru za podgotovkoy voditel'skikh  
kadrov Otdela regulirovaniya ulichnogo dvizheniya Gosudarstvennoy  
avtomobil'noy inspeksii.  
(Traffic signs and signals)

SAPEL'NIKOV, V.P.

The new genus *Jolvia* (Pentameracea) from the lower Wenlock of the  
Central Urals. Paleontl zhur. no.4:54-62 '60. (MIRA 14:1)

1. Sverdlovskiy gornyy institut.  
(Novo-Lyalinskiy District--Brachiopoda, Fossil)

SAPEL'NIKOV, V.P.

Taxonomy of the phylum Conchidium knighti (Sowerby).  
Trudy Sver. gor. inst. no.43:96-105 '63.

(MIRA 18:7)

SAPEL'NIKOV, V.P.

Wenlockian Pentameroides from the Central Urals. Paleont.zhur.  
no.1:102-107 '61. (MIRA 14:8)

1. Sverdlovskiy gornyy institut.  
(Novaya Lysalya District--Brachiopoda, Fossil)

SAPEL'NIKOV, V.P.

Some Silurian representatives of the genus Conchidium from  
the eastern slope of the Urals. Paleont. zhur. no.3:41-50  
'61. (MIRA 15:2)

1. Sverdlovskiy gornyy institut im. V.V. Vakhrusheva.  
(Ural Mountains—Brachiopoda, Fossil)

SAPEL'NIKOV, V.P.

New subfamily and species of Silurian Pentameridae. Paleont. zhur. no.1:  
63-69 '63. (MIRA 16:4)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.  
(Severoural'sk region—Pentameridae, Fossil)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9

SAPEL'NIKOV, Ya.; SHNIRLIN, Yu.; LEVIN, A.

Irrealizable suggestions. Sov. torg. 33 no.7:25-29 Jl '59.  
(MIRA 12:9)  
(Supply and demand)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130002-9"

SAPEL'NIKOV, Ya.

What was revealed by an overall inventory of merchandise.  
Sov. torg. 33 no.12:3-7 D '59. (MIRA 13:2)  
(Retail trade)

SAPEL'NIKOV, Ya.

Role of local organizations in planning the turnover. Sov.torg.  
33 no.6:16-19 Je '60. (MIRA 13:7)  
(Retail)

SAPEL'NIKOV, Ya.

Planning the selection of goods. Sov. torg. 34 no.12:12-15 D  
'60. (MIRA 13:12)  
(Russia—Manufactures) (Russia—Commerce)

SAPEL'NIKOV, Ya.

For thrift and economy. Sov. torg. 35 no.3:21-24 Mr '62.  
(MIRA 15:3)  
(Russia--Commerce)

SAPEL'NIKOV, Ya.; GOLOVATYY, I.; GLAZUNOVA, V. aspirant, (Moskva); USTINOV, I.; KOLENKO, A.; KONDRATSKIY, A.; YEFREMOVA, L.; GORBACH, P., konstruktor (Moskva); BERGER, I., kand.ekon.nauk; KLEPIKOV, N.; SINYUTIN, V., kand.ekon.nauk; KORZHENEVSKIY, I., kand.ekon.nauk; PEREPLETCHIK, I.

Fiftieth anniversary of "Pravda." Sov. torg. 35 no.5:38-42  
My '62. (MIRA 15:5)

1. Nachal'nik Planovo-ekonomiceskogo upravleniya Ministerstva torgovli RSFSR (for Sapel'nikov).
2. Nachal'nik planovogo otdela kurorttorga, g. Berdyansk (for Golovaty ).
3. Moskovskiy ordena Trudovogo Krasnogo znameni institut narodnogo khozyaystva im. G.V. Plekhanova (for Glazunova).
4. Nachal'nik Otdela tovarooborot'a Gosplan'a USSR, g. Kiyev (for Kolenko).
5. Glavnyy bukhgalter Zhitomirskogo gorodskogo torga po torgovle promtovarami (for Kondratskiy).
6. Starshiy khudozhnik Obshchesoyuznogo doma modeley (for Yefremova).
7. Zaveduyushchiy sektorom Ukrainskogo nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya (for Berger).
8. Zaveduyushchiy sektorom Nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya, g. Moskva (for Sinyutin).
9. Zaveduyushchiy sektorom Ukrainskogo nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya, g. Kiyev (for Korzhenevskiy).

(Russian newspapers)

SAPEL'NIKOV, Ya.

Economic councils at the commercial organizations. Sov. torg. 36 no.3:  
(MIRA 16:3)  
17-19 Mr '63.  
(Retail trade)

SAPEL'NIKOV, Ya.

Overhead costs and the high standards of trade. Sov. torg. 36  
no.5:5-8 My '63. (MIRA 16:5)  
(Retail trade—Costs)

DEMIDENKO, Grigoriy Borisovich; SLEPTSOVA, K., red.; SAPLOVSKIY, A.,  
red.; NEMYTOW, V., tekhn.red.

[Forage crops of Orlov Province] Kormovye kul'tury v Orlovskoi  
oblasti. Orel, Orlovskoe knizhnoe izd-vo, 1960. 161 p.  
(MIRA 14:3)

(Orlov Province--Forage plants)

*SAPER*

Hausmanowa, I.; Saper, J.

Complications in antirabic vaccination. Polski tygod. lek.  
(CML 20:11)  
6 nos.13-14:457-462 2 Apr 1951.

1. Of the Clinic of Nervous Disorders (Head -- Prof. A.  
Opalski, M.D.) of Warsaw Medical Academy.

HAUSMANOWA, I.; SAPER, J.; CHMAJ, Z.

Sleep therapy in scleroderma. Polski tygod. lek. 7 no. 45:1465-  
1468 10 Nov 1952. (OLML 24:1)

1. Of the Clinic for Nervous Disorders (Head--Prof. A. Opalski,  
M.D.) and of the Dermatological Clinic (Head--Prof. S. Jabłoska,  
M.D.), Warsaw Medical Academy.

SAFER, Jerzy

Efect of lumbar administration of anesthetics on histological picture of the brain and spinal cord in animals. Neurologia etc. polska 4 no.1:47-54 Ja-F '54.

1. Z Kliniki Chorob Nerwowych Akademii Medycznej w Warszawie.  
Kierownik: prof. dr A.Opalski i z Zakladu Patologii Ogolnej i Doswiadczonej Akademii Medycznej w Warszawie. Kierownik: prof. dr J.Walawski.

(ANESTHESIA, SPINAL, effects,  
\*on brain & spinal cord histol. in animals)  
(BRAIN, effect of drugs on,  
\*anesthetics, lumbar admin. in dogs)  
(SPINAL CORD, effect of drugs on,  
\*anesthetics, lumbar admin. in dogs)

SAPER, Jerzy (Warszawa, ul. Franciszkanska 8c r 8)

Neurological complications following novocain block. Polski  
tygod. lek. 9 no.21:650-652 24 May 54.

1. Z Kliniki Chorob Nerwowych A.M. w Warszawie; kierownik prof.  
dr Adam Opalski.

(PROCAINE, injurious effects,  
nervous system dis. in nerve block)  
(NERVOUS SYSTEM, diseases,  
procaine lesions in nerve blocks)  
(ANESTHESIA, REGIONAL,  
procaine block, neurol. compl.)

RAFOLOWSKA, Janina; SAPER, Jerzy

Apparatus for function tests of the motor analysor. Migr. &  
c.polska 5 no.4:409-412 July-Aug '55.

1. Z Kliniki Chorob Nerwowych A.M.w Warszawie wz Kierownik: prof  
dr I. Hausmanowa.  
(MOVEMENT,  
appar. for funct.tests of motor analyser)

SAPER, Jerzy

Rehabilitation of patients with extensive cerebral lesions.  
Neur. &c. polska 5 no.6:669-680 Nov-Dec 55.

1. Z Kliniki Chorob Nerwowych A.M. w Warszawie. W/z Kierownika:

prof. dr. I. Haussmanowa.

(BRAIN, dis.

atrophy, rehabil.)

(REHABILITATION, in various dis.

brain atrophy)

(ATROPHY

brain, rehabil.)

SAPER, Jerzy; STEPNIAK, Roman

Successful largactil therapy of a case of erythromegalia.  
Przegl. derm., Warsz. 6 no.5:435-438 Sept-Oct 56.

1. Z Kliniki Neurologicznej A.M. w Warszawie wz. Dyrektora:  
prof. dr. I. Hausmanowa. Z Instytutu Dermatologii i Wenerologii  
p. o. Dyrektora: doc. dr. T. Stepniewski. Kierownik Działu  
Dermatologii: prof. dr. E. Bruner, Warszawa, Klinika Neurologiczna  
Akademii Medycznej, Oczki 6.

(ERYTHROMEGALIA, therapy,

chlorpromazine (Pol))

(CHLORPROMAZINE, therapeutic use,

erythromegalia (Pol))

HAUSMANOWA, Irena; SAPER, Jerzy

Effects of ACTH on experimental diseases of the nervous system  
in laboratory animals. Neur. &c. polska 6 no.6:747-759 Nov-Dec  
56.

1. Z Kliniki Chorob Nerwowych A.M. w Warszawie, w/z kierownika:  
prof. dr. I. Hausmanowa.  
(ENCEPHALOMYELITIS, exper.  
eff. of ACTH in rabbits (Pol))  
(ACTH, eff.  
on exper. encephalomyelitis in rabbits (Pol))

RAPALOVSKAYA, Ya.; SAPER, Yu.

Apparatus for studying functions of the motor analyser [with  
summary in French]. Zhur.nevr. i psich. 57 no.5:632-633 '57.  
(MIHA 10:8)

1. Klinika nervnykh bolezney Meditsinskoy akademii v Varshave  
(MOVEMENT,  
appar. for study of motor analyser (Rus))

SAPER, Jerzy

Course & treatment of experimental trophic ulceration, *Neur. &c. polska*  
8 no. 3:297-308 May-June 58.

1. Z Kliniki Neurologicznej A. M. w Warszawie (w.z. kierownika: prof. dr.  
I. Hausmanowa-Petrusewicz).

(*ENG, ulcers*

*trophic, exper., course & treatment of trophic ulceration  
in animals (Pol)*)

HAUSMANOWA-PETRUSEWICZ, Irena; SAPER, Jerzy

The present state of research of experimental demyelination. *Neur.*  
*&c. polska* 8 no.3:365-372 May-June 58.

1. Z Kliniki Neurologicznej A.M. w Warszawie (w.z. kierownika: prof.  
dr I. Hausmanowa-Petrusewicz)  
(CENTRAL NERVOUS SYSTEM, dis.  
demyelination, exper., review (Pol))

SAPER, Jerzy; WISNIEWSKI, Henryk

Case of tumor of the brain stem. Neur.&c.polska 10 nr.5:713-716 '60.

1. Z Kliniki Neurologicznej A.M. w Warszawie, Kierownik: prof. dr I.Hausmanowa-Petrusewicz i z Zakladu Neuropatologii P.A.N.  
Kierownik: prof. dr A.Kunicki.

(BRAIN STEM neopl)

(BRAIN NEOPLASMS case reports)

(GLIOBLASTOMA MULTIFORME)

SAPER, Jerzy; TETER, Jerzy; JANCZEWSKI, Zygmunt; NADWORNY, Jerzy

Endocrinological similarity between myotonia congenita and  
dystrophia myotonica. Preliminary communication. Neur.&c.polska  
10 no.6:777-786 '60.

1. Z Kliniki Neurologicznej A.M. w Warszawie p.o. Kierownika:  
prof. dr med. I.Hausmanowa-Petrusewicz. Z Poradni Endokrynologicznej  
w Warszawie, Kierownik: doc. dr med. J.Teter. Z I Kliniki Poloz-  
nictza i Chorob Kobiecych A.M. w Warszawie, Kierownik: prof. dr  
med. T.Bulski.

(MYOTONIA CONGENITAL diag)

(MYOTONIA ATROPHICA diag)

SAPER, Jerzy

Considerations on a case of a chromatoffin tumor of the adrenal gland. Neurologia etc. polska 11 no.6:847-849 '61.

1. Z Kliniki Neurologicznej AM w Warszawie Kierownik: prof. dr med. I. Hausmanowa-Petrusewicz.

(PHEOCHROMOCYTOMA case reports) (ADRENAL GLAND neopl)

PROT, Janina; SAPER, Jerzy; STROINSKA, Barbara

Zarontin therapy of petit mal epilepsy resistant to anticonvulsants. Neurol. neurochir. Psychiat. pol. 13 no.4:487-490 '63.

1. Z Kliniki Neurologicznej AM w Warszawie Kierownik: prof. dr med. I. Hausmanowa-Petrusewicz i z Głównej Poradni Zdrowia Psychicznego Kierownik Poradni Dzieciecej: dr med. Z. Szymanska. (ANTICONVULSANTS) (EPILEPSY, PETIT MAL)

LEO, Włodzimierz; SAPER, Jerzy

Technique and results of the radiological examination of lumbosacral nerve roots of the spinal cord with the use of water-soluble contrast media (radiculography). *Reumatologia* (Warsz.) 1 no.3-4:161-168 '63.

1. Z Zakładu Radiologii Instytutu Radiologicznego w Warszawie (Kierownik: doc. dr med. J. Zabokrzycki) i z Pododdziału Neurologicznego Instytutu Reumatologicznego (Kierownik: dr med. J. Saper Dyrektor Instytutu Reumatologicznego; dr med. W. Bruhl).

SAPER, Jerzy; LEO, Włodzimierz

Cases of compressive lesions of the spinal cord and their significance in clinical rheumatology. Reumatologia (Warsz.) 1 no.3-4:281-290 '63.

1. Z Pododdziału Neurologicznego Instytutu Reumatologicznego (Kierownik: dr med. J. Saper) i Z Zakładu Radiologii Instytutu Reumatologicznego (Kierownik: doc. med. J. Zabokrzycki; Dyrektor Instytutu Reumatologicznego: dr med. W. Bruhl).

SAPER, Jerzy; KOZINA, Wladyslaw

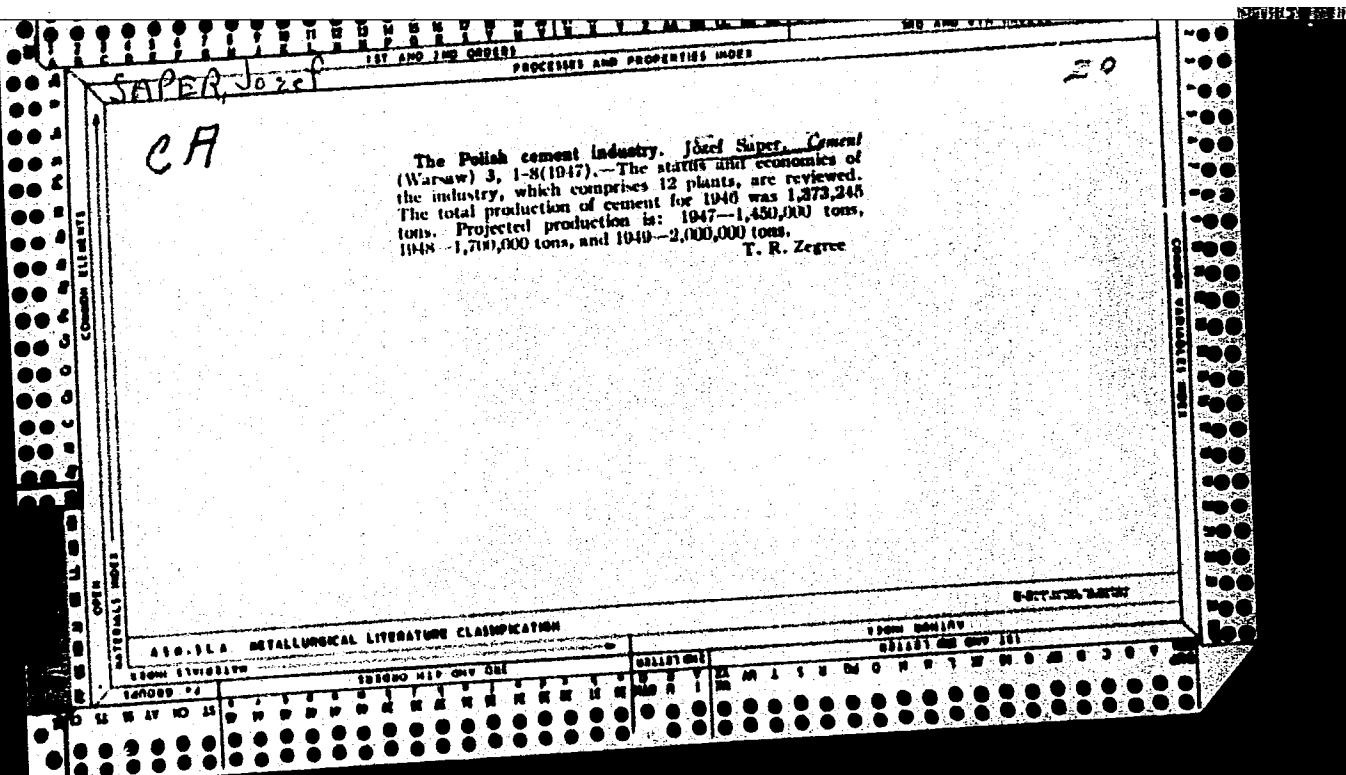
3 cases of rare neurological syndromes erroneously diagnosed  
as a rheumatic disease. Reumatologia (Warsz.) 2 no.3:261-  
266 '64.

1. Z Pododdzialu Neurologicznego Instytutu Reumatologicznego  
(Kierownik: dr med. J. Saper Dyrektor Instytutu: dr med. Wl.  
Brühl).

KOZINA, Wladyslaw; SAPER, Jerzy; LEO, Wlodzimierz

Neurological disorders and radiological diagnosis of developmental abnormalities of the cervical spine. Reumatologia (Warsz.) 3 no.2: 135-145 '65.

1. Z Pododdzialu Neurologicznego Instytutu Reumatologicznego (Kierownik: dr. med. J. Saper) i z Zakladu Radiologii Instytutu Reumatologicznego (Kierownik: doc. dr. med. J. Zabokrzycki; Dyrektor Instytutu: dr. med. W. Brühl).



SAPER, R. P.

YUGOSLAVIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60557.

Author : Vlastimir Ivkovic, Vasiliye B. Golubovic, Radomir  
P. Saper.

Inst : Chemical Society, Yugoslavia.

Title : Phenylquinolinein - New Analytic Indicator. Dis-  
sociation Constants.

Orig Pub: Glasnik Hem. drustva, 1957, 22, 217-220.

Abstract: Phenylquinolinein (I) prepared by the condensation of C<sub>6</sub>H<sub>5</sub>OH with quinoline anhydride was studied as an indicator at titrimetric determinations. The dissociation constants of I were determined by the potentiometric and the spectrophotometric methods. For the potentiometric method, an alcohol solution of 5 to 10<sup>-5</sup> M was used, and the curve of the dependence of pH on the volume of the introduced I

Card 1/2

65

YUGOSLAVIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60557.

Abstract: solution was plotted. It was found that  $K_1 = 2.82 \cdot 10^{-9}$ ,  $pK_1 = 8.55$ ,  $K_2 = 3.25 \cdot 10^{-10}$ ,  $pK_2 = 9.49$ . For the spectrophotometric method, an alcohol solution of  $2 \cdot 10^{-5}$  M was used, and the curve of the pH dependence on the passage (in %) at 270 m $\mu$  was plotted. It was found that  $K_1 = 3.17 \cdot 10^{-9}$ ,  $pK_1 = 8.5$ ,  $K_2 = 2.52 \cdot 10^{-10}$ ,  $pK_2 = 9.60$ .

Card 2/2

SAPER, RADOMIR P.

YUGOSLAVIA/Analytic Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46411

Author : Aleksandar Leko, Radomir P. Saper

Inst : Chemical Society (Yugoslav).

Title : Glasnik Hem. drustva, 1957, 22, No 3, 161-165

Abstract : The yellow n-nitrosodimethylaniline useful for the spectrophotometrical determination of  $\text{NO}_2^-$  is produced by the interaction of  $\text{NO}_2^-$  with dimethylaniline (I). 10 ml of 6.5 (about) n. HCl and 1 ml of 2%-ual (about) I solution (2.5 ml of I, sp. gr. 0.955, is dissolved in 100 ml of water and 5 ml of HCl, sp. gr. 1.18, is added) are added to the solution to be analysed ( $\geq 2 \times 10^4$  g of  $\text{NO}_2^-$ ) (sic!), the solution is diluted

Card 1/2

LEKO, Aleksandar M., prof. dr.; SAER, Radomir P.

The ultraviolet absorption spectrum and the dissociation constants of quinolinic and cinchomeronic acids. Glas Hem dr 25/26 no.5/7:267-275 '60/'61.

1. Tekhnoloski fakultet, Hemijsko-tehnicki zavod, Beograd.
2. Clan Uredivackog odbora, "Glasnik Hemijskog drustva, Beograd."

SAPER, Radomir P.

The ultraviolet absorption spectra and the dissociation constant  
of 5-methyl-pyrazine-2-carboxylic acid, pyrazine-2,3-dicarboxylic  
acid, and pyrazine-2,5-dicarboxylic acid. Glas Hem dr  
25/26 no.5/7:277-285 '60/'61.

1. Tehnoloski fakultet, Hemijjsko-tehnicki zavod, Beograd.

SAPER, Radomir P.

The ultraviolet absorption spectra and the dissociation  
constants of imidazole-dicarboxylic acid. Glas Hem  
dr 25/26 no.5/7:287-297 '60/'61.

1. Tehnološki fakultet, Hemijsko-tehnicki zavod, Beograd.

GOLUBOVIC, Vasilije B.; SAPER, Radomir P.; VITOROVIC, Olga

Phenolquinolineine, a new analytic indicator. II. The  
dissociation constants. Glas Hem dr 25/26 no.5/7:335-337  
'60/'61.

1. Tehnoloski fakultet, Hemisko-tehnicki zavod, Beograd.

GOLUBOCIC, Vasilije B.; VITOROVIC, Olga; SAPER, Radomir P.

Copper determined with perimidine. Glas Hem dr 25-26 no.8/10:535-  
537 '60/'61.

1. Faculty of Technology, Chemical Technical Institute, Beograd.

SAPER, Ye.; GAUSMANOVA, I.

Effects of ACTH on experimental affections of the nervous system in laboratory animals [with summary in French]. Zhur.nevr. i psikh. 57 no.2:172-178 '57. (MIRA 10:6)

1. Klinika nervnykh bolezney Varsavskoy meditsinskoy akademii.  
(ENCEPHALOMYELITIS, exper.  
demyelinizing, eff. of ACTH)  
(ACTH, eff.  
on exper. demyelinizing encephalomyelitis)

SAPER, R.; GOLUROVIC, V.; BASTIC, B.

Reactivity of aromatic nitriles in condensations with o-phenylenediamine, p. 151.  
(GEODETSKI LIST, Vol. 11, no. 1/2, Jan./Feb. 1957, Yugoslavia.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

SOV/137-57-6-10128

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 109 (USSR)

AUTHOR: Saperon-Gol'man (No initials given)

TITLE: Filling Molds by Stacking One on Top of the Other and Filling the  
Top One (Stopochnaya formovka)

PERIODICAL: V sb.: Mashinstroitel' Belorussii. Nr 1 (2). Minsk, 1956, pp  
77-79

ABSTRACT: Five sizes of "konforka" (the crown or top ring of a samovar -  
Translator) are now made at the im. Komintern Plant by filling  
molds by stacking one on top of the other and filling the top one. The  
molds are made in round iron flasks assembled by means of a cen-  
tering pin. The sand is packed by a succession of blows by a jog-  
ging die stamp from above. The centering pin serves simultan-  
eously as the riser cavity. The use of this method of filling molds  
makes it possible to increase output rate, reduce consumption of  
molding sand and also increase production per mold area.

S.Sh.

Card 1/1

SAPEROV, V.N.

Electrophoretic study of protein and lipid fractions of blood serum  
in chronic nonspecific pneumonia. Kaz. med. zhur. no.4;26-31 Jl-Ag  
(MIRA 15:2)  
'61.

1. Terapevticheskoye otdeleniye (zav. - kand.med.nauk P.N.Osipov)  
Respublikanskoy bol'niitsy Ministerstva zdravookhraneniya Chuvashskoy  
ASSR (glavnnyy vrach - P.L.Yeremin). Nauchnyy rukovoditel' - prof.  
Z.I.Malkin.  
(PAPER ELECTROPHORESIS) (SERUM) (PNEUMONIA)

*SAPEROV, V.F.*

AUTHOR:

Saperov, V.F., Engineer

98-58-6-6/21

TITLE:

New Types of Constructions Which Allow the Passage of Timber Rafts (Novyye tipy lesopropusknykh sooruzheniy)

PERIODICAL:

Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 6, pp 20-23 (USSR)

ABSTRACT:

Only on navigable rivers are dams provided with sluices, permitting the passage of timber rafts. The author proposes special structures for dams built on un-navigable timber-floating rivers. He describes two types - a raft sluice proposed by Engineer M.L. Khanin and a timber elevator proposed by Engineers P.M. Gol'dberg and M.D. Zartayskiy. The raft sluice (Figures 1 and 2) consists of a sluice chamber and a chute. On the bottom of the chute, rails 5 m apart form a track leading to the lower head. A cart moves on these rails. The timber is introduced into the water-filled chamber. A special mechanism opens the lower gates and the water escapes; the timber floating in the chamber is deposited on the cart on the bottom of the chute and the cart moves through the opened gates on rails and plunges into the water at the lower end. The timber floats and the cart is brought back into the chute by a special hoisting mechanism; the gates are locked and

Card 1/2

98-58-6-6/21

New Types of Constructions Which Allow the Passage of Timber Rafts

the water fills the chute and the operation starts again. The timber elevator consists of a trough (Figure 3), a receiving dock and a cart which moves on a track ending in the lower head. The timber is brought into the receiving dock and placed over the gripping frame of the crane. The crane hoists the timber on the frame and places it on the cart; the frame is discarded and the cart moves on rails along the inclination and plunges into the lower head. The cart is replaced in its initial position and the operation begins again.

There are 3 figures, 1 table and 1 Soviet reference.

AVAILABLE: Library of Congress

Card 2/2      1. Sluices-Applications    2. Dams-Design    3. Timber-Transportation  
                4. Timber rafts-USSR

SAPEROV, V.F.

AUTHOR: Saperov, V.F., Engineer

98-58-3-2/22

TITLE: Kaunas Hydroelectric Power Plant on the Neman River  
(Kaunasskaya Ges na r. Neman)

PERIODICAL: Gidrotehnicheskoye Stroitel'stvo, 1958, pp 3-9 (USSR)

27 no. 3

ABSTRACT: A scheme of complex utilization of the water power of the Neman river provides for a cascade with 7 Power Stations with a total potential capacity of 468,000 kw, and with an average annual output of 2.1 billion kw/hr. The total water pressure used by the power plants is 113 m head. The economic indicators of the 7 power stations are shown in table 1. Only the Mostovskaya Power Station has a water reservoir which is regulated over a period of several years, whereas the remaining power stations have a water reservoir with a daily or seasonal regulation. The loss involved by flooding is relatively small, amounting from 2.5% of the capital investment (in the case of the Birshtonskaya Power Station), to 21.5% (in the case of the Sovetskaya Power Station). In regard to the Mostovskaya and Alitusskaya Power Stations, the loss amounts to 41 and 35½% respectively. The first Hydroelectric Power Station, to be constructed on the Neman cascade, is the Kaunas Power Station, which will be located about 12 km upstream from Kaunas. The construction

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of the Mostovskaya Power Plant can economically be justified as a water flow control station at the top of the cascade, only in case other power stations are installed on the Neman river. The Kaunas Power Station lies in the center of an industrial area requiring much power. Moreover, from a technical point of view, conditions for the establishment of a power station are favorable at this particular location. This power station will also serve to prevent floods, caused by ice flows blocking the stream in spring, in the area of the city of Kaunas. After the construction of the Kaunas Power Station, which is of primary interest, the next power station in order of importance is the Sovetskaya Power Station, which will be the largest and most effective power plant on the Neman river. The average annual water discharge of the Neman river at the Kaunas Power Station is 293 m<sup>3</sup>/sec, with a maximum of 2,340 m<sup>3</sup>/sec and a Minimum of 61.8 m<sup>3</sup>/sec. The construction of the hydroelectric power center comprises an alluvial earth dam, a spill-way dam and 2 earth dams. The power house is of the standard type. Lock gates for river shipping will be installed in due course. The ground under the spillway dam consists of

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98-58-3-2/22

loamy moraine having a great load capacity. The dam itself has 3 spilling sections covered with segment flood gates, the intermediate piers being 4 m wide. To ensure proper working of the gates during ice flow, heating devices are provided. In case of repair, the openings can be closed with emergency gates. Both flood and emergency gates are operated by means of a gantry crane. The basic front part of the spillway dam has a multi-layer insulation of bitumen and asphalt which in turn is protected against mechanical damage by wooden plates. The construction of the spillway dam precludes the possibility of ice getting into the lower water, which is discharged at 1,065 m<sup>3</sup> sec. Moreover, the upper head is constructed in such a way as to retain most of the ice in the water reservoir. The ground under the right bank dams, consisting of eolian fine-grain sand, requires that special measures be taken to guard against filtration. The project, therefore, provides for screens to be placed in the ground. Dam Nr. 1 is 659 m long, and dam Nr. 2 is 202 m long. The dams are constructed sufficiently wide to permit a RR line or a highway to lead across. Dam # 3 is 420 m long, and stands on alluvial earth-gravel ground with glacial deposits and loam layers. To prevent the risk of deformations due to the ground being softened

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98-58-3-2/22

by water, a drainage tunnel is provided for. The upper slant is 1:3 and the lower 1:4. Each slant has a berm 5 m wide. The upper slant is consolidated with reinforced plates over the entire inverse filter. The power house is a massive concrete structure. Hydro-generators are equipped with adjustable blade turbines PL 661-VB-500. Maximum pressure is 20 m and the minimum is 12 m; capacity on the shaft is 23,400 kw. RPM: normal=125; accelerated=260; weight of turbine=285 tons. Generators are of the type VGS-700/100-48, with a capacity of 22,500 kw and a fly wheel effect of 3,700 tm<sup>2</sup>; weight of generator 264.5 tons. The engine room also houses the oil pressure equipment MNU-5.3, and speed governing device PK-150; it has two electric bridge cranes of 75/20 tons. The principle step-up transformers are located at the lower head, having a capacity of 60,000 kva and a tension of 10.5/121 kv. On the side of the upper water, the house is equipped with safety gates, emergency gates and gratings. For their operation, 2 gantry cranes of 25/10 ton capacity are provided. The control of the power station is done from a central point at a distance of 100 km from the plant. A 2-stage lock is provided for by the project on the right bank. It will be constructed at a later date.

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A number of installations will be made of reinforced concrete with prestressed high resistant steel wire with a diameter of 5 mm. In this connection, a new method is being tried out for the first time which prevents the concrete from cracking and achieves a considerable saving in material. It is proposed to construct the power station in two stages. The anticipated period of construction is 52 months. There are 4 figures, 2 tables, and 1 Soviet reference.

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1. Water power-USSR 2. Electric power production-USSR

SOV/98-59-5-7/21

14(6)

AUTHOR: Saperov, V.F., Docent  
TITLE: Hydraulic Fish Elevator  
PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 5,  
pp 29-31 (USSR)

ABSTRACT: The author states that fish elevators operate in Scotland and that a similar installation is now projected on the Daugava river (Western Dvina). It will consist of a system of locks which will lift the fish in the river to the higher level, or will enable it to come down to the lower level. It will be operated by a small hydro electric station consisting of a turbine type PO-82-VM-140 of 3200 kw, with a working wheel 1400 mm diam. taking 10 cub.m./sec and a generator type VGS-325/39-20. There is 1 diagram and 1 English reference.

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SOV/98-59-8-16/33

8(6)  
AUTHOR:

Saperov, V.F., Engineer

TITLE:

The Pelton Hydroelectric Plant

PERIODICAL:

Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 8, pp 53-54 (USSR)

ABSTRACT:

This is a short description of the Pelton hydroelectric scheme on the Deschutes River (Oregon, USA). There are 2 diagrams and 1 American reference.

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8(6), 14(6)  
AUTHOR:

Saperov, V.F., Engineer

SOV/98-59-9-16/29

TITLE: On Standards for Technical Designing

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 9,  
pp 48-49 (USSR)

ABSTRACT: This is a critique of the Normy tekhnologicheskogo  
proyektirovaniya gidroelektrostantsiy (Standards  
on Technical Designing of Hydropower Plants), publish-  
ed by the MES, GIDEP in 1958. There are 3 Soviet, 2 English  
references.

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SAPEROV, V.F., inzh.

Efficiency of "two-level" dams. Gidr. stroi. 32 no. 6:43-44  
Je '62. (MIRA 15:6)

(Dams)

SAPEROV, V.N.; ATAMANOV, G.S.

Method for determining fibrin. Lab. delo 7 no.6:7-10 Je '61.  
(MIRA 14:7)

1. Terapeuticheskoye otdeleniye (zav. P.N.Osipov) Respublikanskoy  
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V.G.Vogralik.

(FIBRIN)

SAPEROV, V.N.

Treatment of chronic nonspecific pneumonia. Sov. med. 28 no.7:56-62  
Jl '64. (MIRA 18:8)

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zdravookhraneniya Chuvashskoy ASSR, Cheboksary.

ATAMANOV, G.S.; SAPEROV, V.N.

Electrophoretic changes in proteins and lipoproteins of the blood serum in malignant neoplasms. Sov. med. 25 no. 5: 80-86 May '61.  
(MIRA 14:6)

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(CANCER) (BLOOD PROTEINS) (LIPOPROTEINS)

SAPEROV, V.N.; SAPEROVA, Ye.F. (Cheboksary)

Phagocytic activity of the leucocytes and the protein fraction of  
the blood serum in chronic nonspecific pneumonia. *Vrach.delo* no.18  
122 Ja '63. (MIRA 16:2)

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ASSR, nauchnyy rukovoditel' - prof. V.G. Vogralik.  
(PNEUMONIA) (BLOOD PROTEINS) (PHAGOCYTOSIS)

SAPEROV, V.N.

Changes in the protein and lipoid fractions of the blood serum  
in the compound treatment of chronic pulmonary suppurations.

Vop.kur., fizioter.i lech.fiz.kul't. 28 no.1:21-26 '63.

(MIRA 16:4)

1. Iz Respublikanskoy bol'nitsy Ministerstva zdravookhraneniya  
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Phagocytic activity of the leucocytes and the protein fraction of  
the blood serum in chronic nonspecific pneumonia. Vrach.delo no.1:  
122 Ja '63.

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ASSR, nauchnyy rukovoditel' - prof. V.G. Vogralik.  
(PNEUMONIA) (BLOOD PROTEINS) (PHAGOCYTOSIS)

SAPERSHTEYN, A. G.; KREYNDLIN, A. N., Engr.

Wood ~Preservation~

Soaking apparatus of the Vitebsk Home-Building Combine,  
Sber.mat. o nov.tekh. v stroi. 15 №. 3, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.